DWK Life Sciences Limited
Unit S77, St. Modwen Park Stoke South,
Gordon Banks Drive, Stoke-on-Trent, ST4 4RJ, UK

Registered in England and Wales No.7723574

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www.dwkltd.com
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PRODUCT SPECIFICATION/CERTIFICATE OF CONFORMITY

PRODUCT CODE	**3950**	
DESCRIPTION	FIBRE GLASS 8 MICRON	
BRAND	**PYREX®**	
COMPONENT MATERIALS	FIBRE GLASS (GLASS WOOL), BOROSILICATE GLASS AS FOLLOWS (with nominal weight%): SiO_2 (65.5%) A_2O_2 (3.1%), B_2O_3 (5.3%), Na_2O (16%), K_2O (0.7%), CaO (5.9%), MgO (3.0%), BaO (0.01%)	
ATTRIBUTES	FIBRE DIAMETER	8 MICRON
	SOFTENING POINT	660°C
	MAXIMUM SERVICE LIMIT	500°C
	DENSITY	2.52g/cm^3
AUTOVALABLE	THIS PRODUCT IS NOT NORMALLY AUTOCLAVED BUT SHOULD WITHSTAND A FEW STANDARD AUTOCLAVE CYCLES OF 121°C AT 15psi for 15 MINUTES	
HEATING & COOLING	THIS PRODUCT IS DESIGNED FOR HEATING BY HOT PLATE, FLAME OVEN, MICROWAVE OR HEATING MANTLES. IN NORMAL SERVICE IT CAN BE HEATED TO 230°C THIS PRODUCT CAN BE COOLED T0 -230°C **DO NOT** PLUNGE PRODUCT DIRECTLY INTO A LIQUID COOLANT. PLACE THE PRODUCT IN THE VAPOUR PHASE OF THE LIQUIFIED GASSES FOR SLOW COOLING PRIOR TO IMMERSION IN THE COOLANT	
VACUUM PRESSURE	THIS PRODUCT WAS NOT DESIGNED FOR AND IS NOT RATED FOR VACUUM OR PRESSURE APPLIACATIONS	
SPECIAL FEATURES	THIS PRODUCT AS SUPPLIED DOES NOT CONTAIN A SURFACE LUBRICANT ON THE GLASS FIBRES. THIS LUBRICANT IS A WATER-SOLUBLE HYDROCARBON OIL. THIS LUBRICANT CAN BE REMOVED BY RAISING THE PRODUCT TO A TEMPERATURE OF 200°C FOR APPROXIMATELY ONE HALF HOUR	
STERILIZATION	NOT SHIPPED STERILE	
TSE/BSE	MATERIALS OF ANIMAL ORIGIN ARE NOT USED IN THE MANUFACTURE OF THIS PRODUCT	
LOT NUMBER DESIGNATION	EACH PRODUCTION LOT IS UNIQUELY IDENTIFIED WITH AN 8 DIGIT LOT NUMBER AS FOLLOWS: FIRST 3 DIGITS – JULIAN DATE, START OF MANUFACTURE; LAST 3 DIGITS – BATCH IDENTIFICATION	

This is to certify that the goods detailed above have been inspected and tested in accordance with our BS EN ISO9001 and BS EN ISO13485 quality systems, and conform in all respects to the acceptable quality levels (AQL) detailed therein and any relevant specifications or drawings, unless recorded below as concessionary goods.

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DWK Life Sciences Limited hereby certifies with respect to the manufactured item described above (collectively, the "Product") that:

1. Product: has been given appropriate visual, and/or mechanical and/or electronic inspection and the results of these inspections indicate that the product meets all agreed upon contractual specifications at the time of its shipment.

2. Glass: We certify that the glass product will meet the following:
a) TYPE I Borosilicate Glass - Product meets the requirements for the glass grain test limits for Type I Glass when tested according to the current revisions of the USP <660> Pharmacopeias.
b) Arsenic Extraction - Product will meet the requirements as described in the current revisions of USP <660> and EP3.2.1 Pharmacopeias for Arsenic Extraction.
c) TYPE III Soda Lime Glass – Product meets the requirements for the glass grain test limits according to the current revisions of the USP <660> Pharmacopeias.
d) Amber Glass – Product conforms to the light transmission limits specified in the current version of the USP and EP Pharmacopeias.
e) Hydrolytic Resistance when indicated above this product conforms to the current version of USP <660>. *EP compliant vials will either have "EP" listed in the item # or description or "Type I" in the description.
f) Heavy Metals are not intentionally added to the glass compositions. Thus, contents of lead, cadmium, mercury and hexavalent chrome are in compliance with the limit values of 100 parts per million by weight for US (TPCH and CONEG) and EC regulations.
g) Transmissible and Bovine Spongiform Encephalopathy (TSE/BSE) We certify that containers made from glass are free of any nonconforming animal derivatives.

3. Plastic: We certify that product made from resin material has been manufactured under controlled conditions and is in compliance with all applicable procedures and specifications.

4. Rubber: We certify that product made from rubber has been manufactured under controlled conditions and is in compliance with all applicable procedures and specifications.

5. Aluminium: We certify that product made from aluminium has been manufactured under controlled conditions and is in compliance with all applicable procedures and specifications.

6. Hazardous Materials: DWK's Glassware does not fall within the scope of the RoHS directive, as our glassware products fall into the exempt status for Medical Devices. Nonetheless, to the best of our knowledge we convey that our glassware does not contain any of the restricted substances outlined by RoHS / WEEE or equivalent directive (e.g. OEHHA Proposition 65).

7. REACH: DWK is a manufacturer and supplier of "articles" to our EU customers; we do not manufacture or supply "substances" or "preparations" and our scientific glassware does not involve the "intentional release of substances". Accordingly, we foresee no registration or pre-registration requirement for the products we supply.

8. Conflict Minerals: To the best of our knowledge we convey that our scientific laboratory glassware does not intentionally contain any of the conflict minerals (tin, tantalum, tungsten, or gold) as outlined in Section 1502 of the Dodd-Frank Wall street Reform and Consumer Protection Act.

Disclaimer: The information herein provided may be based and/or obtained from raw material supplier certificates or, testing reports or, supplier Material Safety Data Sheets or similar.

Certificate of Conformity authorized by: Date: 17 May 2022



Kevin Marshall, Quality Manager – DWK Life Sciences Limited.

In the event of questions regarding this certificate, please contact certificates@dwk.com.